

PARTS LIST

ARO PNEUMATIC LOGIC CONTROL LOGIC FUNCTION ASSEMBLY

NON-CONTACTING SENSORS

Models: 59819-5
59820-5
59821-5

Form: 1374-2
Revised: 6-28-93



**IMPORTANT: READ THIS MANUAL CAREFULLY BEFORE INSTALLING,
OPERATING OR SERVICING THIS EQUIPMENT.**

DESCRIPTION

These non-contacting sensing assemblies can be used to initiate a variety of functions when the sensors detect the presence of an object within their range.

OPERATING PRESSURE RANGE

30 to 150 p.s.i.g.

TEMPERATURE RANGE

+32° to +160° F.

OPERATING DESCRIPTION

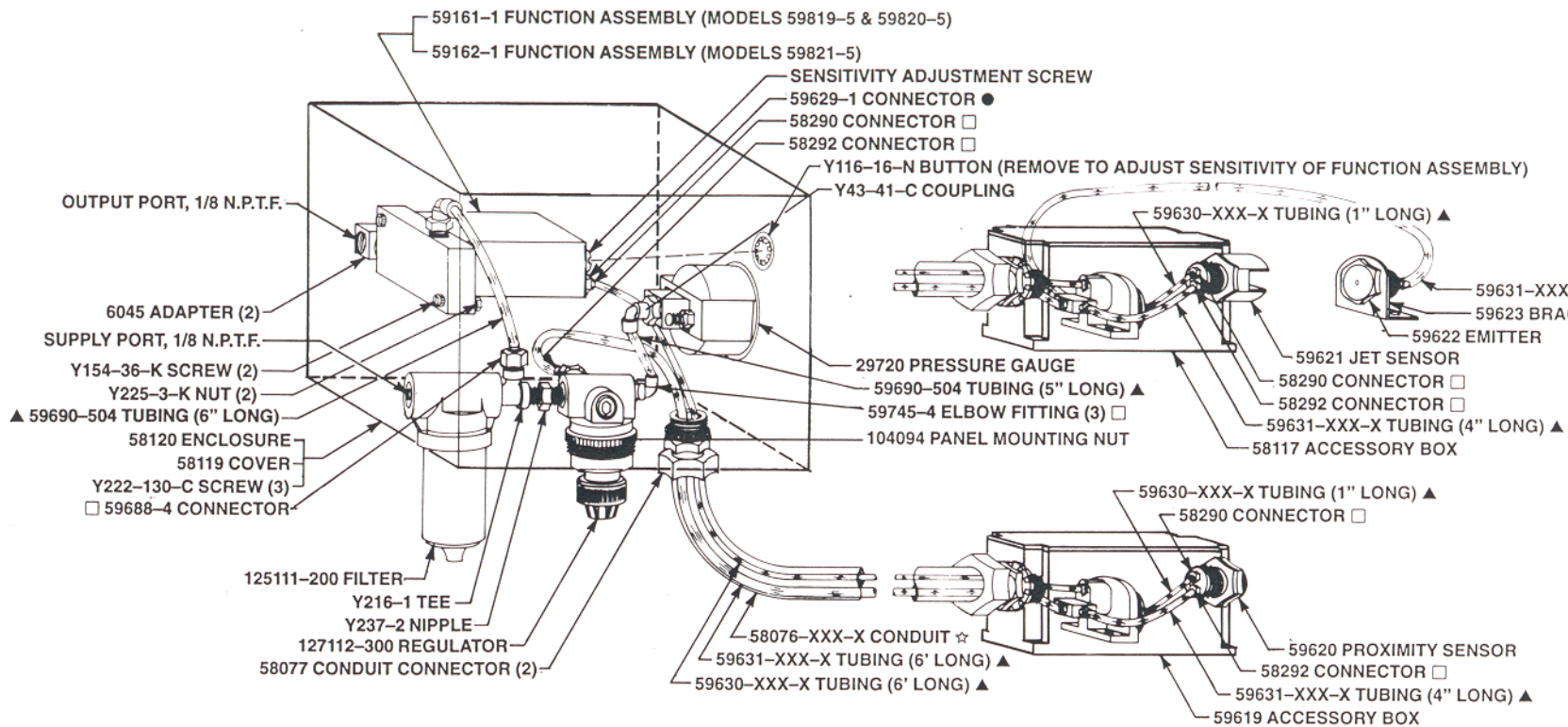
Model 59819-5 – This large gap sensor will produce an output signal when an object passes between the 59621 gap sensor and the 59622 emitter. The 59622 emitter should be aligned within 6" of the 59621 gap sensor. When the object leaves the area between the 59621 gap sensor and the 59622 emitter, the output will go off. The 127112-300 regulator must be adjusted until the 29720 gauge reads 5 to 7 p.s.i.g.

Model 59820-5 – This proximity sensor will produce an output signal if an object passes within 3/16" of the 59620 proximity sensor. When the object leaves from the front of the 59620 proximity sensor, the output will go off. The 127112-300 regulator must be adjusted until the 29720 gauge reads approximately 10 p.s.i.g.

Model 59821-5 – This edge sensor will produce an output signal if an object enters the gap of the 59621 gap sensor. When the object leaves the gap of the 59621 gap sensor, the output will go off. The 127112-300 regulator must be adjusted until the 29720 gauge reads approximately 10 p.s.i.g.

ADJUSTMENT

If the output fails to come on when an object is present, adjust the amplifier's (59161-1 or 59162-1 function assembly) sensitivity adjustment screw clockwise for models 59819-5 and 59820-5, and counterclockwise for model 59821-5, until the output comes on. If the output comes on when no object is present, reverse the above instructions.



MODEL 59819-5

MODEL 59820-5

MODEL 59821-5

▲ SUPPLIED IN 100 FT COILS ONLY.

□ AVAILABLE IN PACKAGE OF 10 PIECES ONLY.

● AVAILABLE IN PACKAGE OF 5 PIECES ONLY.

☆ 60" FLEXIBLE LIQUID TIGHT WIRING CONDUIT, .500" I.D. x .700" O.D.
(AVAILABLE AT ELECTRICAL SUPPLY SOURCES)

